

Preliminary Working Draft

TABLE 4:
RESULTS OF ANALYSIS OF BLANKS AND COMPARISON TO RESULTS FROM PROJECT SAMPLES
FROM THE NORTH RIDGE ESTATES SITE, KLAMATH FALLS, OREGON

| Environmental Medium | Sample Type | Sample ID No. | Sample Type | Number of Structures (Number) | Number of G.O.s (Number) | Area Scanned (mm ²) | Air Volume (L) | Analytical Sensitivity (s/L) | Surface Loading Sensitivity (s/mm ²) |
|----------------------|---------------------------|---------------|-------------|-------------------------------|--------------------------|---------------------------------|------------------------------|------------------------------|--|
| Soil | | | | | | | | | |
| | <i>Blanks</i> | | | | | | | | |
| | | S4 | Lot Blank | 0 | 10 | 0.101 | NA | | 9.90 |
| | | S5 | Lab Blank | 0 | 10 | 0.101 | 1510 | 2.52 | 9.90 |
| | | S6 | Lab Blank | 1 ^a | 10 | 0.101 | 1400 | 2.72 | 9.90 |
| | | S7 | Lab Blank | 0 | 10 | 0.101 | 1200 | 3.18 | 9.90 |
| | | | | | | | | Pooled^b: | 2.48 |
| | | | | | | | | UCL^c: | 7.43 |
| | <i>Analytical Samples</i> | | | | | | | | |
| | | S1 | Soil | | 140 | 1.41 | | | 0.71 |
| | | S2 | Soil | | 140 | 1.41 | | | 0.71 |
| | | S3 | Soil | | 103 | 1.04 | | | 0.96 |
| Air | | | | | | | | | |
| | <i>Blanks</i> | | | | | | | | |
| | | 13 | Lab Blank | 1 ^d | 4 | 0.0403 | 4702 | 2.03 | 24.81 |
| | | 14 | Lab Blank | 0 | 4 | 0.0403 | 5400 | 1.77 | 24.81 |
| | | 15 | Lab Blank | 0 | 4 | 0.0403 | 4310 | 2.22 | 24.81 |
| | | 16 | Lot Blank | 0 | 10 | 0.1007 | NA | | 9.93 |
| | | | | | | | Pooled^{b,e}: | 0.66 | 4.51 |
| | | | | | | | UCL^c: | 1.99 | 13.54 |
| | <i>Analytical Samples</i> | | | | | | | | |
| | | 02 | Air | | 83 | 0.97 | 56.8 | 7.01 | 1.03 |
| | | 04 | Air | | 30 | 0.43 | 61.1 | 14.50 | 2.30 |
| | | 05 | Air | | 83 | 1.20 | 105.1 | 3.05 | 0.83 |
| | | 07 | Air | | 81 | 1.17 | 112.1 | 2.93 | 0.85 |
| | | 08 | Air | | 82 | 1.19 | 103.7 | 3.12 | 0.84 |
| | | 10 | Air | | 97 | 1.41 | 82.6 | 3.32 | 0.71 |
| | | 11 | Air | | 98 | 1.42 | 81.3 | 3.34 | 0.70 |

NOTES

^a The structure detected in this sample was a short ISO structure.

^b These are estimated surface loadings based on pooled results for the available blanks.

^c These values represent an upper bound estimate of the observable surface loading achieved for blank samples. It is determined as the loading appropriate for the detection of three structures because three structures is the 95% upper confidence limit to observation of zero structures (based on a Poisson distribution).

^d The structure detected in this sample was a short ISO fiber embedded in a long ISO structure matrix..

^e The pooled analytical sensitivities for these samples were determined as the reciprocals of the sum of the reciprocals of the analytical sensitivities for the individual samples included in the pooled set.